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Last logoff: 13nov06 16:44:17

Logon file001 16nov06 14:47:47

*** ANNOUNCEMENTS ***

NEW FILES RELEASED

***Verdict Market Research (File 769)

***EMCare (File 45)

***Trademarkscan - South Korea (File 655)

RESUMED UPDATING

***File 141, Reader's Guide Abstracts

RELOADS COMPLETED

***Files 173 & 973, Adis Clinical Trials Insight

***File 11, PsycInfo

***File 531, American Business Directory

*** The 2005 reload of the CLAIMS files (Files 340, 341, 942)
is now available online.

DATABASES REMOVED

***File 196, FINDEX

***File 468, Public Opinion Online (POLL)

Chemical Structure Searching now available in Prous Science Drug
Data Report (F452), Prous Science Drugs of the Future (F453), IMS R&D Focus (F445/95
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus
(File 302).

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* * *

File 1:ERIC 1966-2006/Oct

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Set Items Description

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Cost is in DialUnits

?

B 155, 5, 73

16nov06 14:47:59 User259876 Session D944.1

\$0.81 0.230 DialUnits File1

\$0.81 Estimated cost File1

\$0.05 INTERNET

\$0.86 Estimated cost this search

\$0.86 Estimated total session cost 0.230 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1950-2006/Nov 14

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***File 155: NLM will not provide an update on 16 November, in
preparation for the annual reload.**

File 5:Biosis Previews(R) 1969-2006/Nov W2

(c) 2006 The Thomson Corporation

File 73:EMBASE 1974-2006/Nov 16
(c) 2006 Elsevier B.V.

Set	Items	Description
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?

S (PORCINE OR SWINE) (S) (FUT1 AND POLYMORPHISM)

134903 PORCINE

239160 SWINE

231 FUT1

334085 POLYMORPHISM

S1 8 (PORCINE OR SWINE) (S) (FUT1 AND POLYMORPHISM)

?

RD

S2 7 RD (unique items)

?

S S2 AND (OEDEMA OR DIARRHIA)

7 S2

34751 OEDEMA

5 DIARRHIA

S3 3 S2 AND (OEDEMA OR DIARRHIA)

?

T S3/3,K/ALL

3/3,K/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0015968486 BIOSIS NO.: 200600313881

Methods to identify swine genetically resistant to F18 E. coli associated diseases

AUTHOR: Bosworth Brad T; Vogeli Peter

AUTHOR ADDRESS: Littleton, NC USA**USA

JOURNAL: Official Gazette of the United States Patent and Trademark Office
Patents NOV 15 2005 2005

PATENT NUMBER: US 06965022 PATENT DATE GRANTED: November 15, 2005 20051115

PATENT CLASSIFICATION: 536-235 PATENT ASSIGNEE: The United States of
America as represented by the Secretary of Agriculture; Swiss Federal
Institute of Technology PATENT COUNTRY: USA

ISSN: 0098-1133

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: non-invasive methods and compositions to differentiate, with a high level of sensitivity and specificity, swine that are genetically susceptible to diseases associated with F18 E. coli infection, from resistant swine. DNA polymorphisms in the swine alpha (1,2) fucosyltransferase 1 (FUT1) gene were used to differentiate resistant from susceptible swine. The invention includes a polypeptide with amino acid substitutions, encoded by the nucleotide polymorphisms, a...

...F18-adhesion resistant, heterozygous (carrier) and homozygous susceptible pigs. The molecular test identifies susceptibility to oedema disease and postweaning diarrhea with high sensitivity and specificity, therefore, is useful to swine breeder in their effort to enhance for

resistance. Information on the polymorphisms of the present...

DESCRIPTORS:

GENE NAME: swine FUT1 gene (Suidae) { swine fucosyltransferase-1 gene...

... polymorphism

3/3,K/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0014419772 BIOSIS NO.: 200300378491

Methods and compositions to identify swine genetically resistant to F18 E. coli associated diseases

AUTHOR: Bosworth Brad T (Reprint); Vogeli Peter

AUTHOR ADDRESS: Littleton, NC, USA**USA

JOURNAL: Official Gazette of the United States Patent and Trademark Office Patents 1272 (4): July 22, 2003 2003

MEDIUM: e-file

PATENT NUMBER: US 6596923 PATENT DATE GRANTED: July 22, 2003 20030722

PATENT CLASSIFICATION: 800-8 PATENT ASSIGNEE: Biotechnology Research and Development Corp., Peoria, IL, USA; The United States of America as represented by the Secretary of Agriculture; Swiss Federal Institute of Technology, Zurich, Switzerland PATENT COUNTRY: USA

ISSN: 0098-1133 (ISSN print)

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

...ABSTRACT: non-invasive methods and compositions to differentiate, with a high level of sensitivity and specificity, swine that are genetically susceptible to diseases associated with F18 E. coli infection, from resistant swine. DNA polymorphisms in the swine alpha (1,2) fucosyltransferase 1 (FUT1) gene were used to differentiate resistant from susceptible swine. The invention includes a polypeptide with amino acid substitutions, encoded by the nucleotide polymorphisms, a...

...F18-adhesion resistant, heterozygous (carrier) and homozygous susceptible pigs. The molecular test identifies susceptibility to oedema disease and postweaning diarrhea with high sensitivity and specificity, therefore, is useful to swine breeder in their effort to enhance for resistance. Information on the polymorphisms of the present...

3/3,K/3 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0012368957 BIOSIS NO.: 200000087270

High frequency of M307A mutation at FUT1 locus, causing resistance to oedema disease, in an autochthonous Polish pig breed, the Zlotnicka Spotted

AUTHOR: Klukowska J; Urbaniak B; Switonski M (Reprint)

AUTHOR ADDRESS: Department of Genetics and Animal Breeding, Agricultural University of Poznan, Wolynska 33, 60-637, Poznan, Poland**Poland

JOURNAL: Journal of Animal Breeding and Genetics 116 (6): p519-524 Dec., 1999 1999

MEDIUM: print

ISSN: 0931-2668

DOCUMENT TYPE: Article
 RECORD TYPE: Abstract
 LANGUAGE: English

High frequency of M307A mutation at FUT1 locus, causing resistance to oedema disease, in an autochthonous Polish pig breed, the Zlotnicka Spotted

ABSTRACT: Oedema disease and post-weaning diarrhoea in swine are associated with the colonization of the intestine with toxigenic Escherichia coli bacteria of various...

...guanine to adenine mutation at bp 307 (M307A) of the alpha(1,2)-fucosyltransferase gene (FUT1) is a good marker in selection for animals resistant to infection by fimbriated F18 E...

...animals were genotyped with the use of recently patented polymerase chain reaction-restriction fragment length polymorphism test. In the analysed group, 89% of individuals were genetically predisposed to oedema disease, of which 50% were heterozygous animals. A high frequency of the M307A resistance allele...

?

Set	Items	Description
S1	8	(PORCINE OR SWINE) (S) (FUT1 AND POLYMORPHISM)
S2	7	RD (unique items)
S3	3	S2 AND (OEDEMA OR DIARRHIA)

?

S S2 NOT S3

7 S2

3 S3

S4 4 S2 NOT S3

?

T S4/3,K/ALL

4/3,K/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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14311285 PMID: 12755817

cDNA cloning, mapping and polymorphism of the porcine Rhesus (RH) gene.

Omi T; Vogeli P; Hagger C; Schelling C; Spilar S; Kajii E; Stranzinger G; Neuenschwander S

Institute of Animal Sciences, Swiss Federal Institute of Technology, Zurich, Switzerland.

Animal genetics (England) Jun 2003, 34 (3) p176-82, ISSN 0268-9146

--Print Journal Code: 8605704

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

cDNA cloning, mapping and polymorphism of the porcine Rhesus (RH) gene.

... GK. Heretofore, only the RHBG cDNA has been cloned in pig. We have isolated the porcine RH cDNA; its complete open reading frame of 1269

nucleotides encoded 423 amino acids. Porcine RH protein shared 67.6% amino acid identity with bovine RH, 61.0% with human...
... 77 (LW), 0.70 (P) and 0.25 (D). Somatic cell hybrid mapping localized the porcine RH and RHBG genes to pig chromosomes 6q22-q23 and 4q21-q22, respectively. Genetic mapping suggested RH-(FUT1 , S, GPI, EAH, A1BG)-PGD as the most probable locus order. Sequence homology, mapping data, and haematopoietic tissue expression suggest that this cDNA may indeed encode the porcine RH homologue.

4/3,K/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

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11492808 PMID: 9321466

Two alpha(1,2) fucosyltransferase genes on porcine chromosome 6q11 are closely linked to the blood group inhibitor (S) and Escherichia coli F18 receptor (ECF18R) loci.

Meijerink E; Fries R; Vogeli P; Masabanda J; Wigger G; Stricker C; Neuenschwander S; Bertschinger H U; Stranzinger G

Institute of Animal Science, Swiss Federal Institute of Technology, ETH-Zentrum, Zurich, Switzerland.

Mammalian genome - official journal of the International Mammalian Genome Society (UNITED STATES) Oct 1997, 8 (10) p736-41, ISSN 0938-8990--
Print Journal Code: 9100916

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... coli F18 receptor locus (ECF18R) has been genetically mapped to the halothane linkage group on porcine Chromosome (Chr) 6. In an attempt to obtain candidate genes for this locus, we isolated 5 cosmids containing the alpha (1,2)fucosyltransferase genes FUT1, FUT2, and the pseudogene FUT2P from a porcine genomic library. Mapping by fluorescence in situ hybridization placed all these clones in band q11 of porcine Chr 6 (SSC6q11). Sequence analysis of the cosmids resulted in the characterization of an open reading frame (ORF), 1098 bp in length, that is 82.3% identical to the human FUT1 sequence; a second ORF, 1023 bp in length, 85% identical to the human FUT2 sequence; and a third FUT-like sequence thought to be a pseudogene. The FUT1 and FUT2 loci therefore seem to be the porcine equivalents of the human blood group H and Secretor loci. Direct sequencing of the two ORFs in swine being either susceptible or resistant to adhesion and colonization by F18 fimbriated Escherichia coli (ECF18) revealed two polymorphisms at bp 307 (M307) and bp 857 (M857) of the FUT1 ORF. Analysis of these mutations in 34 Swiss Landrace families with 221 progeny showed close...

... marker-assisted selection of E. coli F18 adhesion-resistant animals in this breed. Whether the FUT1 or possibly the FUT2 gene products are involved in the synthesis of carbohydrate structures responsible...

4/3,K/3 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0015563885 BIOSIS NO.: 200510258385

Effects of FUT1 gene on meat quality and carcass traits in swine

AUTHOR: Jiang Xun-Ping (Reprint); Liu Yong-Gang; Xiong Yuan-Zhu; Deng Chang-Yan
AUTHOR ADDRESS: Huazhong Agr Univ, Minist Agr, Key Lab Swine Breeding and Genet, Wuhan 430070, Peoples R China**Peoples R China
AUTHOR E-MAIL ADDRESS: xpjjiang@mail.hzau.edu.cn; yzhxiong@mail.hzau.edu.cn
JOURNAL: Yichuan 27 (4): p566-570 JUL 2005 2005
ISSN: 0253-9772
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: Chinese

Effects of FUT1 gene on meat quality and carcass traits in swine

4/3,K/4 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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0015396113 BIOSIS NO.: 200510090613

The FUT1 and ESR genes - their variability and associations with reproduction in Prestige Black-Pied sows

AUTHOR: Horak P (Reprint); Urban T; Dvorak J
AUTHOR ADDRESS: Mendel Univ Agr and Forestry Brno, Dept Genet, Zemedelska 1, Brno 61300, Czech Republic**Czech Republic
AUTHOR E-MAIL ADDRESS: xhorak02@node.mendelu.cz
JOURNAL: Journal of Animal Breeding and Genetics 122 (3): p210-213 JUN 05 2005
ISSN: 0931-2668
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

DESCRIPTORS:

GENE NAME: swine FUT1 gene (Suidae...

... swine ESR gene (Suidae...

... polymorphism

?

Set	Items	Description
S1	8	(PORCINE OR SWINE) (S) (FUT1 AND POLYMORPHISM)
S2	7	RD (unique items)
S3	3	S2 AND (OEDEMA OR DIARRHIA)
S4	4	S2 NOT S3
?		

COST

16nov06 14:49:44 User259876 Session D944.2
\$1.06 0.312 DialUnits File155
\$0.44 2 Type(s) in Format 3
\$0.44 2 Types
\$1.50 Estimated cost File155
\$1.71 0.285 DialUnits File5
\$11.00 5 Type(s) in Format 3
\$11.00 5 Types
\$12.71 Estimated cost File5
\$2.16 0.193 DialUnits File73
\$2.16 Estimated cost File73

OneSearch, 3 files, 0.789 DialUnits FileOS
\$0.53 INTERNET
\$16.90 Estimated cost this search
\$17.76 Estimated total session cost 1.019 DialUnits

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